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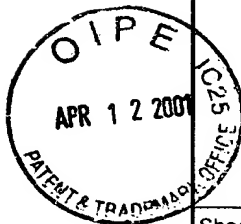


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Substitute for form 1449A/PTO				<b>Complete if Known</b>	
<b>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number	09/517,981
				Filing Date	March 3, 2000
				First Named Inventor	Michael B. Cooper
				Group Art Unit	3738
				Examiner Name	Not Yet Assigned
				Attorney Docket Number	P01952US0/10004751
Sheet	1	of	1		

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
BP ↓ BP		5,385,887		Kalvin W.K. Yim et al.	01-31-1995	
		5,433,777		Michael Q. Sheppard	07-18-1995	
		5,919,493		Michael Q. Sheppard et al.	07-06-1999	
		6,180,606 B1		Charles C. Chen et al.	01-30-2001	
		6,183,515 B1		Joel W. Barlow et al.	02-06-2001	

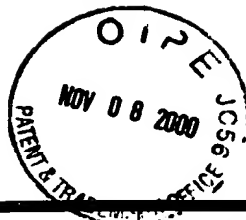
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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
BP		WO	96/39203		Steven R. Jefferies	12-12-1996		
BP		WO	96/40432		Michael Q. Sheppard	12-19-1996		
BP		WO	00/30568		Joseph Yaccarino	06-02-2000		

Examiner Signature	<i>Brian Pellegrino</i>	Date Considered	1/30/02
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<sup>1</sup>Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached

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EXAMINER INITIAL	DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
BP	4	1	2	6	5	9	9	11/21/78	Sugahara et al.	260	42.13	
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	4	5	4	0	4	3	9	09/10/85	Kurandt	106	109	
	4	6	1	9	6	5	5	10/28/86	Hanker et al.	623	55	
	4	9	0	6	4	4	9	03/06/90	Kosugi et al.	423	55	
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**FOREIGN PATENT DOCUMENT(S)**

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↓	EP	0	3	95	18	7	B1	10/31/90	EPO				
BP	WO	9	4	0	8	9	12	4/28/94	PCT				

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

BP	A.	Li et al.; COMMUNICATION High-strength dental gypsum prepared by cold isostatic pressing; Biomaterials, Vol. 14 No. 15, 1186-1187 (1993)
↑	B.	Wright Medical Technology, Inc.; 510(k) Summary of Safety and Efficacy ( 6/6/96).
	C.	J. Barralet; High Density Gypsum Bone Substitute; Abstract from Smith +Nephew.
	D.	Biocompatibility of Clinic Implant Materials, Vol. 1; CRC Press, Ed. D. F. Williams; de Groot, K., Chapter 7 Degradable Ceramics, Table of Contents, p. 199 (1931).
	E.	DIALOG Search Ref. NO.: 97/B023/SC; Wright Medical Technology, Inc.; Bone Graft Substitute Analysis.
↓	F.	Autologous Growth Factors™ (AGF™); www.interpore.com/agf.html.
	G.	Calhoun, N. R., et al.; Plaster: A Bone Substitute in the Mandible of Dogs; J. Dent. Res. 44, 940-946 (1965).
BP	H.	Calhoun, Noah R. and Blackledge, G. T.; Plaster of Paris Implants in the Mandible of Dogs; Quart. Nat. D.A. 21, 13-15 (1962)

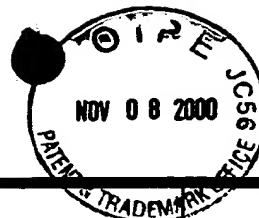
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BP	5	4	3	3	7	5	1	07/18/95	Christel et al.	623	16	
↑	5	4	3	7	8	5	0	08/01/95	Kroehl, et al.	423	171	
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↓	5	6	1	4	2	0	6	03/25/97	Randolph et al.	424	424	
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↓	5	7	5	6	1	2	7	05/26/98	Grisoni et al.	424	488	
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**FOREIGN PATENT DOCUMENT(S)**

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BP	EP	0	75	8	55	0	B1	02/19/97	EPO			X	
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BP	WO	9	8	3	4	6	54	08/13/98	PCT			Abstr.	
BP	JP	59	1	7	1	5	46	09/28/84	JP			X	

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

BP	I.	Mitchell, David F. and Shankwalker, Govind B.; Osteogenic Potential of Calcium Hydroxide and Other Materials in Soft Tissue and Bone Wounds; J. Dent. Res.; 37, 1157-63 (1958).
↑	J.	Frame, J. W.; Porous calcium sulphate dihydrate as a biodegradable implant in bone; J. of Dent. 3, 177-187 (1975).
↓	K.	Alderman, Norman E.; Sterile Plaster of Paris as an Implant in the Infrabony Environment: A Preliminary Study; J. Periodontal. 40, 11-13 (1969).
↓	L.	Peltier, Leonard F.; The Use of Plaster of Paris to Fill Defects in Bone; Clin. Orthop. 21, 1-31 (1961).
↓	M.	Biomaterials in Otology; Proc. of the First Intl. Symp. 'Biomaterials in Otology' 4/21-23/83; Martinus Nijhoff Publ (1984) Ed. J. J. Grote; Högset, O. et al.; An Electrocochleographic Study of the Effect of Plaster of Paris Implanted in the Middle Ear of a Guinea Pig; 105-116.
↓	N.	Shaffer, David and App, George R.; The Use of Plaster of Paris in Treating Infrabony Periodontal Defets in Humans; J. Periodontal. 42, 685-690 (1971).
↓	O.	Peltier, Leonard F.; The Use of Plaster of Paris to Fill Large Defects in Bone; Am. J. of Surg. 9, 311-315 (1959).
↓	P.	Peltier, L. F. et al.; The Use of Plaster of Paris to Fill Defects in Bone; Ann. of Surg. 146, 61-69 (1957).
↓	Q.	Beeson, William H.; Plaster of Paris as an Alloplastic Implant in the Frontal Sinus; Arch Otolaryngol, 107, 664-669 (1981).
BP	R.	Coetzee, Andries S.; Regeneration of Bone in the Presence of Calcium Sulfate; Arch Otolaryngol, 106, 405-409 (1980).

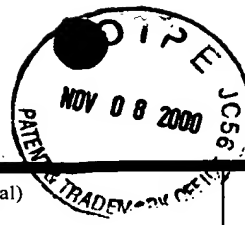
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BP	3	9	7	9	7	7	9	09/14/76	Zeibig et al.	3	1.91	
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✓	5	2	1	1	6	6	4	05/18/93	Tepic et al.	623	16	
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**FOREIGN PATENT DOCUMENT(S)**

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BP	0	1	5	9	0	8	7	23.10.85	EP	9	99		
BP	2	4	4	8	9	0	0	31.01.80	FR	35	16	X	
BP	2	4	6	0	6	5	7	12.07.79	FR	1	00	X	

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

BP	S.	Radentz, William H.; The Implantation of Plaster of Paris in the Alveolar Process of the Dog; J. Peridont. 36, 357-364 (1965).
BP	T.	Bahn, Saul L.; Plaster: A bone substitute; O.S., O.M. & O.P. 21, 672-681 (1966).

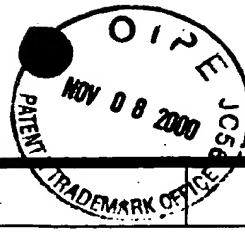
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	3	2	7	9	9	9	8	10/18/66	A.M. Raff et al.	167	82	
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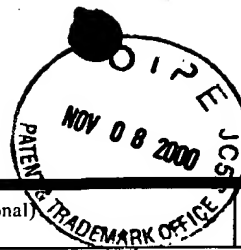
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	5	0	8	2	5	9	7	01/21/92	Tashiro et al.	252	516	
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	4	6	0	0	5	4	6	07/15/86	Grundei	264	59	
	5	0	1	6	7	0	2	05/21/91	Ahlers	164	34	
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